STUDENT'S T-TEST

V2.60 Dec 91 - by Stanley Kaplan, Ph.D.

DFPT RFA VS RFA DIAPHRAGM PERCENT LIGHT FIBERS

Calculated F-ratio= 2.6143 with 4 , 4 degrees of freedom.

The variances are equal since 2.6143 is less than 6.3900

RAW DATA*

	GROUP 1	GROUP 2
1====>	38.1000	22.3000
2====>	31.7000	26.7000
3====>	28.7000	20.7000
4====>	32.0000	31.9000
5====>	31.3000	33.3000
N's ===>	5	5
Total ===>	161.8000	134.9000
Mean ===>	32.3600	26.9800
Sum of squares ===>	48.0320	125.5680
Variances ===>	12.0080	31.3920
Std deviations ===>	3.4653	5.6029

Calculated value of T= 1.8261 with 8 degrees of freedom.

The exact P-value is: 0.1053 or 89.47%

The samples do NOT differ significantly at the 5% level, ONE-TAILED.

The samples do NOT differ significantly at the 1% level, ONE-TAILED.

The samples do NOT differ significantly at the 5% level, TWO-TAILED.

The samples do NOT differ significantly at the 1% level, TWO-TAILED.

STUDENT'S T-TEST

V2.60 Dec 91 - by Stanley Kaplan, Ph.D.

DFPT RFA VS RFA DIAPHRAGM PERCENT LIGHT INTERMEDIATE FIBERS

Calculated F-ratio= 4.9381 with 4 , 4 degrees of freedom.

The variances are equal since 4.9381 is less than 6.3900

RAW DATA*

	GROUP 1	GROUP 2
1====>	0.3000	0.7000
2====>	0.0000	0.0000
3====>	0.3000	0.0000
4====>	0.7000	0.5000
5====>	1.9000	0.0000
N's ===>	5	5
Total ===>	3.2000	1.2000
Mean ===>	0.6400	0.2400
Sum of squares ===>	2.2320	0.4520
Variances ===>	0.5580	0.1130
Std deviations ===>	0.7470	0.3362

Calculated value of T= 1.0919 with 8 degrees of freedom.

The exact P-value is: 0.3067 or 69.33%

The samples do NOT differ significantly at the 5% level, ONE-TAILED.

The samples do NOT differ significantly at the 1% level, ONE-TAILED.

The samples do NOT differ significantly at the 5% level, TWO-TAILED.

The samples do NOT differ significantly at the 1% level, TWO-TAILED.

STUDENT'S T-TEST

V2.60 Dec 91 - by Stanley Kaplan, Ph.D.

DFPT RFA VS RFA DIAPHRAGM PERCENT DARK INTERMEDIATE FIBERS

Calculated F-ratio= 1.4202 with 4 , 4 degrees of freedom.

The variances are equal since 1.4202 is less than 6.3900

RAW DATA*

	GROUP 1	GROUP 2
1====>	30.6000	51.0000
2====>	37.1000	43.6000
3====>	40.7000	51.8000
4====>	39.5000	31.4000
5====>	21.1000	33.0000
N's ===>	5	5
Total ===>	169.0000	210.8000
Mean ===>	33.8000	42.1600
Sum of squares ===>	262.5200	372.8320
Variances ===>	65.6300	93.2080
Std deviations ===>	8.1012	9.6544

Calculated value of T= 1.4832 with 8 degrees of freedom.

The exact P-value is: 0.1763 or 82.37%

The samples do NOT differ significantly at the 5% level, ONE-TAILED.

The samples do NOT differ significantly at the 1% level, ONE-TAILED.

The samples do NOT differ significantly at the 5% level, TWO-TAILED.

The samples do NOT differ significantly at the 1% level, TWO-TAILED.

STUDENT'S T-TEST

V2.60 Dec 91 - by Stanley Kaplan, Ph.D.

DFPT RFA VS RFA DIAPHRAGM PERCENT DARK FIBERS

Calculated F-ratio= 2.8154 with 4 , 4 degrees of freedom.

The variances are equal since 2.8154 is less than 6.3900

RAW DATA*

	GROUP 1	GROUP 2
1====>	30.9000	26.0000
2====>	31.2000	29.7000
3====>	30.4000	27.5000
4====>	27.8000	36.2000
5====>	45.7000	33.6000
N's ===>	5	5
Total ===>	166.0000	153.0000
Mean ===>	33.2000	30.6000
Sum of squares ===>	202.5400	71.9400
Variances ===>	50.6350	17.9850
Std deviations ===>	7.1158	4.2409

Calculated value of T= 0.7018 with 8 degrees of freedom.

The exact P-value is: 0.5027 or 49.73%

The samples do NOT differ significantly at the 5% level, ONE-TAILED.

The samples do NOT differ significantly at the 1% level, ONE-TAILED.

The samples do NOT differ significantly at the 5% level, TWO-TAILED.

The samples do NOT differ significantly at the 1% level, TWO-TAILED.

STUDENT'S T-TEST

V2.60 Dec 91 - by Stanley Kaplan, Ph.D.

DFPT RFR VS RFR DIAPHRAGM DARK MFA ANIMALS 6-10

Calculated F-ratio= 1.2175 with 4 , 4 degrees of freedom.

The variances are equal since 1.2175 is less than 6.3900

RAW DATA*

	GROUP 1	GROUP 2
1====>	2979.6760	2814.2970
2====>	2526.9710	2975.1460
3====>	3740.3590	1954.6480
4====>	3239.6670	2830.1040
5====>	2963.8580	2673.9320
N's ===>	5	5
Total ===>	15450.5310	13248.1270
Mean ===>	3090.1062	2649.6254
Sum of squares ===>	790451.8274	649237.3192
Variances ===>	197612.9568	162309.3298
Std deviations ===>	444.5368	402.8763

Calculated value of T= 1.6418 with 8 degrees of freedom.

The exact P-value is: 0.1393 or 86.07%

The samples do NOT differ significantly at the 5% level, ONE-TAILED.

The samples do NOT differ significantly at the 1% level, ONE-TAILED.

The samples do NOT differ significantly at the 5% level, TWO-TAILED.

The samples do NOT differ significantly at the 1% level, TWO-TAILED.

STUDENT'S T-TEST

V2.60 Dec 91 - by Stanley Kaplan, Ph.D.

DFPT RFR VS RFR DIAPHRAGM LIGHT FIBERS ANIMALS 6-10

Calculated F-ratio= 1.3070 with 4 , 4 degrees of freedom.

The variances are equal since 1.3070 is less than 6.3900

RAW DATA*

	GROUP 1	GROUP 2
1====>	29.9000	31.6000
2====>	29.5000	33.7000
3====>	22.3000	25.3000
4====>	30.9000	26.2000
5====>	21.7000	25.5000
N's ===>	5	5
Total ===>	134.3000	142.3000
Mean ===>	26.8600	28.4600
Sum of squares ===>	79.9520	61.1720
Variances ===>	19.9880	15.2930
Std deviations ===>	4.4708	3.9106

Calculated value of T= 0.6023 with 8 degrees of freedom.

The exact P-value is: 0.5636 or 43.64%

The samples do NOT differ significantly at the 5% level, ONE-TAILED.

The samples do NOT differ significantly at the 1% level, ONE-TAILED.

The samples do NOT differ significantly at the 5% level, TWO-TAILED.

The samples do NOT differ significantly at the 1% level, TWO-TAILED.

STUDENT'S T-TEST

V2.60 Dec 91 - by Stanley Kaplan, Ph.D.

DFPT RFR VS RFR DIAPHRAGM PERCENT LIGHT INTERMEDIATE FIBERS

Calculated F-ratio= 2.9388 with 4 , 4 degrees of freedom.

The variances are equal since 2.9388 is less than 6.3900

RAW DATA*

	GROUP 1	GROUP 2
1====>	0.0000	0.5000
2====>	0.0000	1.0000
3====>	1.8000	0.3000
4====>	1.2000	0.0000
5====>	0.0000	1.2000
N's ===>	5	5
Total ===>	3.0000	3.0000
Mean ===>	0.6000	0.6000
Sum of squares ===>	2.8800	0.9800
Variances ===>	0.7200	0.2450
Std deviations ===>	0.8485	0.4950

Calculated value of T= 0.0000 with 8 degrees of freedom.

The exact P-value is: 1.000 or 0.00%

The samples do NOT differ significantly at the 5% level, ONE-TAILED.

The samples do NOT differ significantly at the 1% level, ONE-TAILED.

The samples do NOT differ significantly at the 5% level, TWO-TAILED.

The samples do NOT differ significantly at the 1% level, TWO-TAILED.

STUDENT'S T-TEST

V2.60 Dec 91 - by Stanley Kaplan, Ph.D.

DFPT RFR VS RFR DIAPHRAGM PERCENT DARK INTERMEDIATE FIBERS #6-10

Calculated F-ratio= 1.0664 with 4 , 4 degrees of freedom.

The variances are equal since 1.0664 is less than 6.3900

RAW DATA*

	GROUP 1	GROUP 2
1====>	42.8000	44.8000
2====>	37.2000	30.9000
3====>	39.4000	39.5000
4====>	32.5000	45.9000
5====>	49.0000	45.6000
N's ===>	5	5
Total ===>	200.9000	206.7000
Mean ===>	40.1800	41.3400
Sum of squares ===>	153.1280	163.2920
Variances ===>	38.2820	40.8230
Std deviations ===>	6.1872	6.3893

Calculated value of T= 0.2916 with 8 degrees of freedom.

The exact P-value is: 0.7780 or 22.20%

The samples do NOT differ significantly at the 5% level, ONE-TAILED.

The samples do NOT differ significantly at the 1% level, ONE-TAILED.

The samples do NOT differ significantly at the 5% level, TWO-TAILED.

The samples do NOT differ significantly at the 1% level, TWO-TAILED.

STUDENT'S T-TEST

V2.60 Dec 91 - by Stanley Kaplan, Ph.D.

DFPT RFR VS RFR DIAPHRAGM PERCENT DARK FIBERS ANIMALS 6-10

Calculated F-ratio= 1.5051 with 4 , 4 degrees of freedom.

The variances are equal since 1.5051 is less than 6.3900

RAW DATA*

	GROUP 1	GROUP 2
1====>	27.3000	23.1000
2====>	33.2000	34.4000
3====>	36.5000	34.8000
4====>	27.2000	27.9000
5====>	29.3000	27.7000
N's ===>	5	5
Total ===>	153.5000	147.9000
Mean ===>	30.7000	29.5800
Sum of squares ===>	65.6600	98.8280
Variances ===>	16.4150	24.7070
Std deviations ===>	4.0515	4.9706

Calculated value of T= 0.3905 with 8 degrees of freedom.

The exact P-value is: 0.7063 or 29.37%

The samples do NOT differ significantly at the 5% level, ONE-TAILED.

The samples do NOT differ significantly at the 1% level, ONE-TAILED.

The samples do NOT differ significantly at the 5% level, TWO-TAILED.

The samples do NOT differ significantly at the 1% level, TWO-TAILED.